Project Test Plan

GiftPal – The Ultimate Gift Exchange and Reminder App

Submitted in fulfillment

Of the requirements of

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(Group Project)

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**Revision History**

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| 04/16/2023 | 1.0.0 | Draft Version | Nicholas Sink |
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**Project Test Plan**

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| **Test Case Number** | **Requirement Number** | **Test Description** | **Expected Result** | **Actual Result** | **Pass/Fail** |
| 1 | 1, 3, 4, 5, 7, 8, 9, 10, 17 | *User Account Creation*: On start up, the first menu displayed will ask the user to create an account, login, or shut down the program. The user will select create an account. The user will then enter their first name, last name, username, email, date of birth (DOB), their loved one’s special dates, gift preferences, whether they wish to be an admin and their password. | The user’s account will be successfully created. |  |  |
| 2 | 1 | *User Login*: On start up, the first menu displayed will ask the user to create an account, login, or shut down the program. The user will select “Login”. The user will then enter their username and password. | The user will successfully login. |  |  |
| 3 | 12 | *Gift Preference Addition*: After the user successfully creates an account or logs in, there will be a menu displayed. On that menu, the user will select to modify their “Gifts Preference”. The user will then select “add preferences”. The user will then type in additional preferences they may have for gifts. | The user will successfully add additional gifts to their gift preferences and this data will be saved in the database. |  |  |
| 4 | 3, 4, 5, 6, 9, 10, 18 | *Loved One’s & Date Addition*: After the user successfully creates an account or logs in, there will be a menu displayed. On that menu, the user will select “Loved One’s & Date Addition”. The user will then be given a menu directly related to modifying or seeing their loved one’s special days. The user will select to add a loved one. They will then input the loved one’s first name, last name, date of birth, gift preferences, and any special days they want stored for that person. | The user will successfully add and store an additional loved one and the date’s the user wants associated with that loved one. |  |  |
| 5 | 2, 13, 14, 19, 20, 21, 22 | *Group Registration*: After the user successfully creates an account or logs in, there will be a menu displayed. On that menu, the user will select “Register Group”. The user will then be asked for the group name, the minimum dollar amount for the group, password for the group, and information about group members. The information will include first and last names, gift preferences, and emails of each group member. | The user will successfully register a new group. |  |  |
| 6 | 11, 14, 15, 16, 18, 23, 24, 25, 26, 27 | *Gift Exchange Initiation*: After the user successfully creates an account or logs in, there will be a menu displayed. On that menu, the user will select “Initiate Gift Exchange”. Another prompt will be displayed asking the user for information on which groups are going to participate in the gift exchange. Email invitations to the gift exchange will then be sent out to the admin of those other groups and once accepted, GiftPal will match individuals in the groups and send them all emails about their gift pair, and the pair’s preferences. | The user will successfully initiate a gift exchange. Admins of invited groups should get an email asking them if they accept and once accepted, all group members will be paired and sent an email of their counterpart and their gift preferences. |  |  |
| 7 | 19, 20, 22 | *Admin Registration*: After the user successfully creates an account or logs in, there will be a menu displayed. On that menu, the user will select “Register As Admin”. The user will then be asked about the group name they want to register as admin to, the user will input the name. The user will then be asked for the password of the group. If the user successfully adds that then they will become an admin of the group. | The user successfully becomes an admin for a group. |  |  |
| 8 | 20 | *User Deletion*: After the user successfully creates an account or logs in, there will be a menu displayed. On that menu, the user will select “Modify Group”. The user will be asked what group they want to modify, the password of the group, and then be given another menu and will select “Delete User From Group”. The user will be asked for the first name, last name, and email of the user to be deleted. The deletion will then occur. | The admin user will successfully delete a person from the group. |  |  |
| 9 | 21 | *Minimum Dollar Amount Declaration*: After the user successfully creates an account or logs in, there will be a menu displayed. On that menu, the user will select “Modify Group”. The user will be asked what group they want to modify, the password of the group, and then be given another menu and will select “Modify Minimum Dollar Amount”. The user will then be shown the current minimum dollar amount and then be asked what the amount should be. The user will then add the new amount and thus modify the minimum dollar amount. | The minimum dollar amount of the group shall be successfully modified. |  |  |
| 10 | 1 | *Start-Up Scenario*: The user will run the program on their terminal. The program will successfully start. On start up, the first menu displayed will ask the user to create an account, login, or shut down the program. | The software will successfully start with no issues and display the first menu. |  |  |
| 11 | 1 | *Shut-Down Scenario*: The shut down option will occur at both the first menu (where the user is asked to login or create an account), or the menu after the user has successfully logged in or created an account. In either circumstance, the user can select “Shut Down GiftPal”. If they do, then the program will shut down and display a goodbye message. | The user successfully shuts down the program and a goodbye message is displayed. |  |  |
| 12 | 21 | *Error-Handling Scenario (Invalid Dollar Minimum Amount)*: Please see Test Case 9 for how the user will navigate to the minimum dollar amount modification. The admin user of the group is currently being asked by the menu to input a new minimum dollar amount and inputs the word “hello there”. The program displays an error message stating “That is not a number. Please enter a number. For example, 35. | The user should see an error message as soon as they enter the invalid amount. The user should then be prompted to enter the amount again. |  |  |
| 13 | 1, 2 | *Error-Handling Scenario (Invalid DOB Entered)*: The user may be adding in their own DOB or their loved one’s DOB. Whatever the case may be, the user finds themselves being asked for a DOB. The user enters in a number 1234567890. The software then outputs an error message stating “That is not an accurate date, please ensure you enter in a date in the following format MM/DD/YYYY”. | The user should see an error message as soon as they enter the invalid DOB. The user should then be prompted to enter the DOB again. |  |  |